

In the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1. (Currently Amended) A communication control apparatus comprising:
a first port which connects to a first segment of a network;
a second port which connects to a second segment of the network;
a CIP header detecting unit adapted to detect whether or not an isochronous packet received by said first port includes a CIP (common isochronous packet) header conforming to IEC 61883 standard; and

a control unit adapted to determine, using the CIP header included in the isochronous packet received by said first port, whether ~~or not to allow~~ to disable relaying the isochronous packet received by said first port to said second port, if it is detected by said CIP header detecting unit that the isochronous packet received by said first port includes the CIP header.

Claim 2. (Currently Amended) A communication control apparatus according to claim 1, wherein ~~if relaying the isochronous packet received by said first port to said second port is not allowed~~, said control unit controls to provide another isochronous packet to ~~the~~ said second port in lieu of the isochronous packet received by said first port, if relaying the isochronous packet received by said first port to said second port is disabled by said control unit.

Claim 3. (Previously Presented) A communication control apparatus according to claim 2, wherein the other isochronous packet includes one of dummy data and null data.

Claim 4. (Cancelled)

Claim 5. (Cancelled)

Claim 6. (Cancelled)

Claim 7. (Cancelled)

Claim 8. (Cancelled)

Claim 9. (Cancelled)

Claim 10. (Previously Presented) A communication control apparatus according to claim 1, wherein said first and second ports conform to the IEEE 1394—1995 standard.

Claim 11. (Currently Amended) A method of controlling a communication control apparatus, the communication control apparatus includes a first port which connects to a first segment of a network and a second port which connects to a second segment of the network, the method comprising the steps of:

detecting whether or not an isochronous packet received by the first port includes a CIP (common isochronous packet) header conforming to IEC 61883 standard; and

determining, using the CIP header included in the isochronous packet received by the first port, whether ~~or not to allow~~ to disable relaying the isochronous packet received by the first port to the second port, if it is detected in the detecting step that the isochronous packet received by the first port includes the CIP header.

Claim 12. (Currently Amended) A method according to claim 11, further comprising a the step of:

if relaying the isochronous packet received by ~~said~~ the first port to ~~said~~ the second port is ~~not allowed~~ disabled, providing another isochronous packet to the second port in lieu of the isochronous packet received by the first port.

Claim 13. (Previously Presented) A method according to claim 12, wherein the other isochronous packet includes one of dummy data, and null data.

Claim 14. (Cancelled)

Claim 15. (Previously Presented) A method according to claim 11, wherein the first and second ports conform to the IEEE 1394-1995 standard.

Claim 16 (New) A communication control apparatus according to claim 1, wherein said control unit (a) determines, using the CIP header included in the isochronous packet received by said first port, that the isochronous packet received by said first port is transmitted from unallowable node, and (b) disables relaying the isochronous packet received by said first port to said second port, if it is determined that the isochronous packet received by said first port is transmitted from the unallowable node.

Claim 17 (New) A method according to claim 11, further comprising the steps of:
determining, using the CIP header included in the isochronous packet received by the first port, that the isochronous packet received by the first port is transmitted from unallowable node; and

disabling relaying the isochronous packet received by the first port to the second port, if it is determined that the isochronous packet received by the first port is transmitted from the unallowable node.